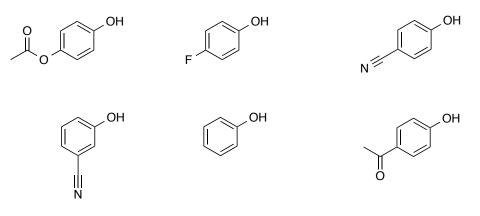
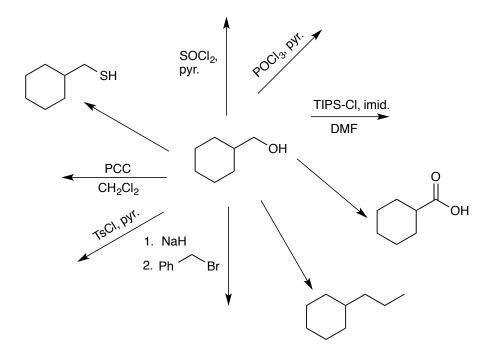
Number the following substituted phenols in order of increasing acidity.



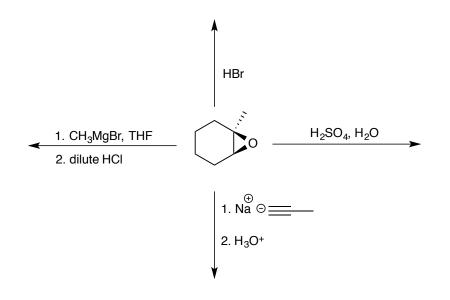
• Briefly explain your reasoning.

Fill in the products and/or reagents for the reaction wheel below.



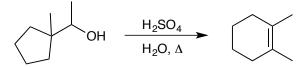
• Can you now provide the mechanisms for the reactions above?

Fill in the products for the reactions below.



• Can you now provide the mechanisms for the reactions above?

Provide the complete electron pushing mechanism for the reaction below.



Using the starting material given below, propose independent syntheses for each example below using stereochemistry when appropriate.

